Field of the Invention

The invention relates to a communication network and the handling of service connections in the communication network including an Internet access system and a switching center.

5   Description of Related Art--;

in line 5, change "The" to --As a result, there is a substantial increase in the--;

in line 6, after "networks" delete "thus increase";

in line 7, delete "to a substantial degree";

10   in line 8, change "Said" to --The--;

in line 10, delete ", for example" and after "traffic" delete ",";

in line 11, change "for an only slightly increasing" to --when there is a slight increase in--;

in line 13, delete "therefore";

15   in line 14, delete "be able to";

before line 15, insert --

SUMMARY OF THE INVENTION--;

in line 15, delete "said";

in line 19, change "Said" to --The-- and change "the subject

20   matters of claim 1 or 5." to --a method and system for controlling connections in a communication network that includes setting up a signaling connection between a subscriber of the communication network and a service access system based on a service connection request by the subscriber and setting up a payload connection

25   associated with the signaling connection between the service access system and the subscriber only given data traffic for a service and

clearing down the payload connection after the data transmission.

Another object of the invention provides a service that is a voice service and/or a data service.

A further object of the invention provides charging a service by the
5   communication network for a time interval in which the signaling connection and the payload connection simultaneously exist for the service.

Another object of the invention provides a method in which the step of clearing down the payload connection does not occur
10   immediately after the end of data transmission but occurs immediately before the expiration of the time interval already charged.--;

in line 20, change "the document" to --e.g.--;

in line 21, change "thirteenth" to --Thirteenth--; and

in line 24, change "means" to --system--.

15   On substitute page 1a, in line 3, change "said" to --the--;

in line 6, delete "thus";

in line 9, delete "thereof";

in line 12, delete ", for example,"; and

in line 15, change ", as a result whereof" to --. To this end,--;

20   in line 17, change "lies in the possibility of" to --is that the method provides--.

On page 2, in line 1, change "is comprised in the possibility of" to --includes--;

in line 7, change "drawing" to --drawings--;

25   before line 8, insert --

DETAILED DESCRIPTION OF THE DRAWINGS

Figure 1 is a schematic diagram of a switching center that links the access network to the Internet.

Figure 2 shows three graphs illustrating the D-channel traffic, B-channel occupation and Internet traffic verses time.

Figure 3A is a block diagram of a communication network incorporating principles of the invention.

Figure 3B is a block diagram of a communication network incorporating principles of the invention.

Figure 3C is a block diagram of a communication network incorporating principles of the invention.

Figure 4 is a schematic diagram of the processing by the software of the switching center.

DETAILED DESCRIPTION OF THE PRESENTLY PREFERRED EMBODIMENTS--;

in line 10, change "Said" to --The--;

in line 12, change "=" to --is a--;

in line 13, change "comprises" to --includes--;

in line 14, before "work" insert --a--; and change "in any case, whereby the" to --. The--;

in line 15, change "comprises" to --includes--;

in line 16, before "customer" insert --"-- and after "equipment" delete "in" and insert --"--;

in line 17, delete "English" and before "connected" change "are" to --is-- and after "center" change "are thus" to --is--;

in line 20, change "means" to --system--;

in line 22, change "comprises" to --includes--;

in line 24, delete "is thus" and delete "thereof";

in line 27, change "A" to --To this end, a-- and delete "also";

in line 28, delete "thereby"; and

in line 29, after "method" insert --including the temporary setup and cleardown of the payload channel connection for burst-like data transmission--.

On page 3, change "Via his terminal equipment, the" to --Specifically, a-- and change "sevrice [sic]" to --service--;

in line 2, after "POP" insert --server-- and after "D-channel" insert --via the user's terminal equipment--;

in line 3, change "The" to --As a result, the--; and delete "thereby";

in line 4, after "connection" insert --is-- and change "the authentification" to --authenticated--;

in line 13, delete "are, alternatively,";

in line 21, change "Figure 3 shows a schematic illustration" to --Figures 3A-3C show schematic illustrations--;

in line 22, change "the case of" to --,--;

in line 24, change "(in" to --. In--;

in line 26, delete "for example," and before "corresponding" insert --a--;

in line 27, delete ")";

in line 29, change "Figure 3" to --Figures 3A-3C--; and

in line 31, before "connection" insert --signaling--.

On page 4, in line 4, change "thus ensues" to --occurs--;

in line 10, after "D-channel;" insert --and--;

in line 12, change "authentification" to --authentication--;

in line 16, change "dataa [sic]" to --data--;

in line 17, after "ISDN" insert --("Integrated Service Digital

Network")--;

in line 18, change "explained" to --above-- and after "connection"

insert --is--;

in line 23, change "said" to --the--;

in line 27, change "[...]" to --and--; and

in line 28, change "in that" to --since the--.

On page 5, in line 10, after "in which" insert --the required--;

in line 11, delete "required therefor" and delete "in an" and delete

"condition";

in line 12, change "Said" to --The-- and change "not insignificant"

to --significant--;

in line 16, delete ", respectively,";

in line 17, delete ", respectively,";

in line 20, change ", i.e., for example," to --(i.e.,--;

in line 21, change "," to --)--;

in line 25, change ";" to --method.--;

in line 26, change "this" to --This cost-saving--; and

in line 28, change "authentification" to --authentication--.

On page 6, in line 1, change "authentification" to --authentication--

and delete ", namely,";

in line 6, delete "thereof, first";

in line 7, change "pf" to --of-- and change "are avoided and, second," to --and--;

in line 8, after "center" insert --are avoided--;

in line 12, change "comprises" to --includes--;

in line 15, change "a" to --the--; and before "customer" insert --or-- ;

in line 16, delete "by";

in line 17, after "generating" insert --and analyzing-- and after "elements" delete "as well as in analyzing such information" and insert -- .--;

in line 18, delete "elements." and change "such" to --the-- and after "setup of" insert --the--;

in line 22, delete "what are referred to as";

in line 23, delete "what is";

in line 27, delete "what is"; and

in line 28, change "said" to --the--.

On page 7, in line 1, after "CCITT" insert --("Consultative Committee International Telephony and Telegraphy")--; and

in line 12, change "comprises" to --includes--.

On page 8, in line 3, change "said" to --the--; and

in line 5, change "in turn" to --, in turn,--.

On page 9, in line 2, delete ", respectively,";

in line 4, change "Transport of" to --In transporting--;

in line 5, change "Two" to --the following two--;

in line 6, after "mechanism" insert --; and--;

in line 12, change "Example: The" to --For example, the--;

in line 17, change "procedures [sic]" to --procedure--;

in line 18, before "not correlated" insert --is--;

5   in line 19, delete "type" and delete "thus" and delete "in order";

in line 20, change "independently" to --independent-- and before "bearer" insert --the--;

in line 21, change "authentification" to --authentication--;

in line 24, delete "type";

10   in line 25, change "Transport of" to --Transporting--;

in line 26, change "Four categories are defined:" to --defines the following four categories:--;

in line 27, after "connectionless" insert --;--;

in line 28, after "connectionless" insert --;--; and

15   in line 29, after "connection-oriented" insert --; and--.

On page 10, in line 6, change "authentification" to --authentication--;

in line 7, change "is begun" to --starts--;

in line 8, change "without" to --e.g. without a--;

20   in line 10, change "Said" to --The--;

in line 12, change "B channel-associated" to --B-channel-associated--;

in line 16, change "Figure 3" to --Figures 3A - 3C--;

in line 18, delete ", respectively,";

25   after line 29, insert the following new paragraph --

Although other modifications and changes may be suggested by